COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: Effective Date:

Expiration Date:

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 23-0003AB

Federal Tax Id - Plant Code: 45-5201144-1

Owner Information

Name: MONROE ENERGY LLC
Mailing Address: 4101 POST RD
TRAINER, PA 19061-5052

Plant Information

Plant: MONROE ENERGY LLC/TRAINER
Location: 23 Delaware County 23949 Trainer Borough
SIC Code: 2911 Manufacturing - Petroleum Refining

Responsible Official

Name: JEFFREY K WARMANN
Title: CEO & PRESIDENT
Phone: (610) 364 - 8020

Plan Approval Contact Person

Name: MATT TORELL
Title: ENVIRONMENTAL LEADER
Phone: (610) 364 - 8399

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

Plan Approval Description

This Plan Approval is issued to the permittee for the installation of an Ultra Low Sulfur Gasoline (ULSG) unit.

SECTION A. Table of Contents

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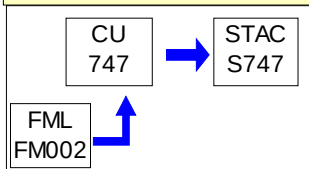
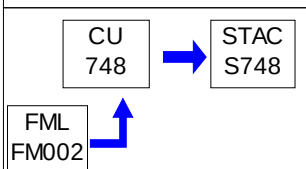
SECTION A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
747	REACTOR EFFLUENT HEATER H-124-01 (H01)	99.600 MMBTU/HR	
		84,263.000 CF/HR	Refinery Gas
748	STRIPPER REBOILER HEATER H-124-02 (H02)	44.200 MMBTU/HR	
		37,394.000 CF/HR	Refinery Gas
101	FCC UNIT		
102	CLAUS SULFUR RECOV. PLT.		
103	MAIN FLARE		
114	RACT FUGITIVE EQUIPMENT		
119	PLATFORMER REGENERATOR		
133	BENZENE WASTE OPERATIONS		
215	NSPS NEW FUGITIVE EQUIPMENT		
702	ULSG COOLING TOWER	612,000.000 Gal/HR	COOLING WATER
737	NAPHTHA HDS HEATER	65.000 MMBTU/HR	
742	VCD 541 VAC HEATER	56.000 MMBTU/HR	
C702	COOLING TOWER DRIFT ELIMINATORS		
FM002	NORTH SIDE FUEL GAS SYSTEM (RFG)		
S747	REACTOR EFFLUENT HEATER H-124-01 (H01) STACK		
S748	STRIPPER REBOILER HEATER H-124-02 (H02) STACK		
Z702	COOLING TOWER FUGITIVES		

PERMIT MAPS





SECTION B. General Plan Approval Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]

Future Adoption of Requirements

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]

Plan Approval Temporary Operation

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 15 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]

Content of Applications

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]

Public Records and Confidential Information

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

SECTION B. General Plan Approval Requirements

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]

Plan Approval terms and conditions.

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

(i) A justification for the extension,
(ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]

Transfer of Plan Approvals

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(4) & 35 P.S. § 4008 & § 114 of the CAA]

Inspection and Entry

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

SECTION B. General Plan Approval Requirements

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#009 [25 Pa. Code 127.13a]

Plan Approval Changes for Cause

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]

Submissions

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(9) & 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

SECTION B. General Plan Approval Requirements

(i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
(ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

#013 [25 Pa. Code § 127.25]

Compliance Requirement

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

 # 001 [25 Pa. Code §129.55]

Petroleum refineries--specific sources

All pumps and compressors handling VOCs with a vapor pressure of greater than 1.5 psi at actual conditions shall have mechanical seals. For the purpose of determining vapor pressure, a temperature no greater than 100°F shall be used.

VII. ADDITIONAL REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall comply with all existing requirements of its Operating Permit No. 23-00003, originally issued and subsequently amended, unless specifically revised in this Plan Approval. The provisions in this Plan Approval shall be construed to supersede any contrary provisions in any previous Plan Approval(s) and Operating Permit(s).

 # 003 [25 Pa. Code §127.208]

ERC use and transfer requirements.

The permittee shall use and transfer Emission Reduction Credits (ERCs) in accordance with 25 Pa. Code § 127.208.

 # 004 [25 Pa. Code §127.210]

Offset ratios.

(a) The 10-year aggregated NOx emission increase including this project is 37.33 tons.

(b) The permittee shall provide NOx ERCs at a 1.3:1 ratio to offset the net emission increase of 37.33 tons as per 25 Ps. Code §§ 127.210. The required NOx ERCs are 49.0 tons.

(c) Before commencing operation of the ULSG unit, the permittee shall provide 49.0 tons of NOx ERCs.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

SECTION C. Site Level Plan Approval Requirements

No compliance milestones exist.

SECTION D. Source Level Plan Approval Requirements

Source ID: 747 Source Name: REACTOR EFFLUENT HEATER H-124-01 (H01)

Source Capacity/Throughput: 99.600 MMBTU/HR
84,263.000 CF/HR Refinery Gas

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]
Combustion units
Particulate matter emissions into the outdoor atmosphere from this combustion unit shall not exceed the rate determined by the following formula:

A = 3.6E^(-0.56)

where

A = Allowable emissions in pounds per million BTUs of heat input, and

E = Heat input to the combustion unit in millions of BTUs per hour,

when E is equal to or greater than 50 but less than 600.

 # 002 [25 Pa. Code §123.22]
Combustion units
No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
NOx emissions from this source shall not exceed 0.035 lb/MMBtu.

[Compliance with the NOx emission limit in this streamlined permit condition assures compliance with the NOx emission limit specified in 40 C.F.R. § 60.102a(g)(2)(i)(B).]

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
Emissions from this process heater shall not exceed the following:

(a) Nitrogen Oxides (NOx) = 15.27 tons per year, calculated as a 12-month rolling sum.

(b) Volatile Organic Compounds (VOC) = 2.18 tons per year, calculated as a 12-month rolling sum.

(c) Carbon Monoxide (CO) = 11.83 tons per year, calculated as a 12-month rolling sum.

(d) Sulfur Dioxide (SO2) = 3.06 tons per year, calculated as a 12-month rolling sum.

(e) Particulate Matter (PM/PM-10/PM-2.5) = 2.18 tons per year, calculated as a 12-month rolling sum.

SECTION D. Source Level Plan Approval Requirements

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.102a]

SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007

Emissions limitations.

[Authority for this permit condition is derived from 40 C.F.R. § 60.102a(g).]

The owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.

[Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1).]

Fuel Restriction(s).

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source shall only be fired by refinery fuel gas from the existing North Side Fuel Gas system.

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 60.104a(a), (c), and (i).]

(a) The permittee shall perform a stack test using Department-approved procedures, to show compliance with the NOx emission limit set for the source. Source testing shall be performed within 180 days after initial startup of the source. Source testing shall be performed for the following pollutant: NOx. This testing shall be conducted at a normal or average load.

(b) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for the pollutant NOx. Tests shall be conducted in accordance with the provisions of 40 C.F.R. § 60.104a(c) and (i) for NOx and/or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the amount of fuel consumed by this source on a monthly and 12-month rolling basis.

SECTION D. Source Level Plan Approval Requirements

 # 009 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The fuel gas supplied to this process heater shall be continuously monitored for H2S concentration and averaged in accordance with 40 C.F.R. Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

(b) NOx and O2 concentrations from the exhaust stack of this process heater shall be continuously monitored and averaged in accordance with 40 C.F.R. Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H2S in the fuel gases before being burned in any fuel gas combustion device in accordance with the requirements specified in 40 C.F.R. § 60.107a(a)(2).

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration (dry basis, 0-percent excess air) of NOx emissions into the atmosphere in accordance with the requirements specified in 40 C.F.R. § 60.107a(d).

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall maintain records of the amount of fuel consumed by this source on a monthly and 12-month rolling basis.

 # 013 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall calculate and maintain records of NOx, VOC, CO, SO2, and PM/PM-10/PM-2.5 emissions for this source on a monthly and 12-month rolling sum basis.

 # 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(c)(6).]

The owner or operator shall maintain the following records:

(1) Records of discharges greater than 500 lb SO2 in excess of the allowable limits from a fuel gas combustion device in any 24-hour period as required by §60.103a(c). The following information shall be recorded no later than 45 days following the end of a discharge exceeding the thresholds:

(i) A description of the discharge.

SECTION D. Source Level Plan Approval Requirements

(ii) The date and time the discharge was first identified and the duration of the discharge.

(iii) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quantity for each 24-hour period. Engineering calculations are allowed for fuel gas combustion devices.

(iv) For each discharge greater than 500 lb SO2 in excess of the applicable short-term emissions limit in §60.102a(g)(1) from a fuel gas combustion device, either the measured concentration of H2S in the fuel gas or the measured concentration of SO2 in the stream discharged to the atmosphere. Process knowledge can be used to make these estimates for fuel gas combustion devices.

(v) For each discharge greater than 500 lb SO2 in excess of the allowable limits from a fuel gas combustion device, the cumulative quantity of H2S and SO2 released into the atmosphere. For fuel gas combustion devices, assume 99-percent conversion of H2S to SO2.

(vi) The steps that the owner or operator took to limit the emissions during the discharge.

(vii) The root cause analysis and corrective action analysis conducted as required in §60.103a(d), including an identification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under §60.103a(e).

(viii) For any corrective action analysis for which corrective actions are required in §60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

[Authority for this permit condition is derived from 40 CFR § 63.7555(a)(1)-(2).]

The permittee shall keep records of the following:

(1) A copy of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

In what form and how long must I keep my records?

[Authority for this permit condition is derived from 40 C.F.R. § 63.7560.]

(a) Records shall be maintained in a form suitable and readily available for expeditious review, according to 40 C.F.R. § 63.10(b)(1).

(b) As specified in 40 C.F.R. § 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record on site, or they must be accessible from on site (for example, through a computer

SECTION D. Source Level Plan Approval Requirements

network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

 # 017 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall submit reports of H2S and NOx monitoring data on a quarterly basis in accordance with 40 CFR Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

 # 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall comply with the requirements for excess emissions as outlined in 40 C.F.R. § 60.107a(i).

 # 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(a) & (b).]

(a) Each owner or operator subject to the emissions limitations in 40 C.F.R. § 60.102a shall comply with the notification, recordkeeping, and reporting requirements in §60.7 and other requirements as specified in this condition.

(b) Each owner or operator subject to an emissions limitation in 40 C.F.R. § 60.102a shall notify the Administrator of the specific monitoring provisions of § 60.107a with which the owner or operator intends to comply. This notification shall be submitted with the notification of initial startup required by §60.7(a)(3).

 # 020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(d).]

Each owner or operator subject to Subpart Ja shall submit an excess emissions report for all periods of excess emissions according to the requirements of §60.7(c) except that the report shall contain the information specified in paragraphs (1) through (7) below.

(1) The date that the exceedance occurred;

(2) An explanation of the exceedance;

(3) Whether the exceedance was concurrent with a startup, shutdown, or malfunction of an affected facility or control system; and

(4) A description of the action taken, if any.

(5) The information described in 40 CFR § 60.108a(c)(6) for all discharges listed in paragraph (c)(6).

(6) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission

SECTION D. Source Level Plan Approval Requirements

limit. Operations of the control system and affected facility during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

(7) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

 # 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

This source is subject to 40 CFR Part 60, Subpart Ja - Standards of Performance for New Stationary Sources, and shall comply with all applicable requirements of this Subparts.

Pursuant to 40 CFR Section 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance, 3AP20
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Any variations from the compliance monitoring, testing, and reporting methods specified in the New Source Performance Standards shall be approved in advance by the U.S. EPA.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

This source is subject to 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants, and shall comply with all applicable requirements of this Subpart.

Pursuant to 40 CFR § 63.13, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance, 3AP20
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Any variations from the compliance monitoring, testing, and reporting methods specified in the National Emission Standards for Hazardous Air Pollutants shall be approved in advance by the U.S. EPA.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

[Authority for this permit condition is derived from 40 CFR § 63.7545(a).]

The permittee shall submit to the Administrator all of the notifications in 40 CFR § 63.9(b) through (h), that are applicable by the dates specified.

SECTION D. Source Level Plan Approval Requirements

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

(a) The permittee shall submit semi-annual compliance reports in accordance with 40 C.F.R. § 63.7550(b)(5), (c)(5), and (h)(3).

(b) The compliance report shall contain the following information:

(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) Include the date of the most recent tune-up.

(v) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(vi) The total operating time during the reporting period.

(c) The permittee shall submit all reports required by Table 9 of 40 CFR Part 63, Subpart DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The permittee shall use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in 40 C.F.R. § 63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

VI. WORK PRACTICE REQUIREMENTS.

 # 025 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source shall be operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

 # 026 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Monitoring Source Manual will constitute compliance with this permit condition.

 # 027 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]

SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007

Work practice standards.

[Authority for this permit condition is derived from 40 CFR § 60.103a(c)(2), (d)(1) & (5), and (e)(1)-(3).]

SECTION D. Source Level Plan Approval Requirements

(a) Each owner or operator that operates a fuel gas combustion device shall conduct a root cause analysis and a corrective action analysis for each exceedance of an applicable short-term emissions limit in §60.102a(g)(1) if the SO2 discharge to the atmosphere is 227 kg (500 lb) greater than the amount that would have been emitted if the emissions limits had been met during one or more consecutive periods of excess emissions or any 24-hour period, whichever is shorter.

(b) A root cause analysis and corrective action analysis must be completed as soon as possible, but no later than 45 days after a discharge meeting the above condition.

(1) If a single continuous discharge meets any of the conditions specified in paragraphs (a) above, for 2 or more consecutive 24-hour periods, a single root cause analysis and corrective action analysis may be conducted.

(2) If discharges occur that meet the conditions specified in paragraph (a) above, for more than one affected facility in the same 24-hour period, initial root cause analyses shall be conducted for each affected facility. If the initial root cause analyses indicate that the discharges have the same root cause(s), the initial root cause analyses can be recorded as a single root cause analysis and a single corrective action analysis may be conducted.

(c) Each owner or operator of a fuel gas combustion device shall implement the corrective action(s) identified in the corrective action analysis conducted pursuant to paragraph (b) above, in accordance with the applicable requirements in paragraphs (1) through (3) below.

(1) All corrective action(s) must be implemented within 45 days of the discharge for which the root cause and corrective action analyses were required or as soon thereafter as practicable. If an owner or operator concludes that corrective action should not be conducted, the owner or operator shall record and explain the basis for that conclusion no later than 45 days following the discharge as specified in 40 C.F.R. § 60.108a(c)(6)(ix).

(2) For corrective actions that cannot be fully implemented within 45 days following the discharge for which the root cause and corrective action analyses were required, the owner or operator shall develop an implementation schedule to complete the corrective action(s) as soon as practicable.

(3) No later than 45 days following the discharge for which a root cause and corrective action analyses were required, the owner or operator shall record the corrective action(s) completed to date, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates as specified in 40 C.F.R. § 60.108a(c)(6)(x).

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What emission limits, work practice standards, and operating limits must I meet?

[Authority for this permit condition is derived from 40 CFR § 63.7500, Table 3.]

(a) The permittee shall conduct a tune-up of the process heater annually as specified in 40 C.F.R. § 63.7540. Units in the Gas 1 subcategory shall conduct this tune-up as a work practice for all regulated emissions under 40 CFR Part 63, Subpart DDDDD.

(b) The permittee shall conduct a one-time energy assessment performed by a qualified energy assessor, within one year upon startup. The energy assessment must include the following with extent of the evaluation for items (i) to (v) appropriate for the on-site technical hours listed in §63.7575:

(i) A visual inspection of the boiler or process heater system.

(ii) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.

(iii) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

SECTION D. Source Level Plan Approval Requirements

(iv) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

(v) A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.

(vi) A list of cost-effective energy conservation measures that are within the facility's control.

(vii) A list of the energy savings potential of the energy conservation measures identified.

(viii) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain this source, including associated monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

 # 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When must I conduct subsequent performance tests or fuel analyses?

[Authority for this permit condition is derived from 40 C.F.R. § 63.7515(d).]

If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to §63.7540(a)(10). Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual tune-up must be no later than 13 months, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Authority for this permit condition is derived from 40 CFR § 63.7540(a)(10).]

The permittee shall conduct an annual tune-up of the process heater to demonstrate continuous compliance as specified in paragraphs (i) through (vi) of this condition. The tune-up shall be conducted while burning refinery fuel gas.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown);

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;

SECTION D. Source Level Plan Approval Requirements

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (vi)(A) through (C) of this condition:

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.

VII. ADDITIONAL REQUIREMENTS.

 # 032 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of a Reactor Effluent Heater manufactured by Tulsa Heaters, Inc. with a rated capacity of 99.6 MMBtu/hr. The burners are manufactured by Callidus with model number CUBL. There are a total of 8 burners, each rated at 12.45 MMBtu/hr. This heater is equipped with a low-NOx burners.

SECTION D. Source Level Plan Approval Requirements

Source ID: 748 Source Name: STRIPPER REBOILER HEATER H-124-02 (H02)

Source Capacity/Throughput: 44.200 MMBTU/HR
37,394.000 CF/HR Refinery Gas

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.11]
Combustion units
A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

 # 002 [25 Pa. Code §123.22]
Combustion units
No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO2, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 pounds per million Btu of heat input, pursuant to 25 Pa. Code §123.22(e)(1).

 # 003 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
NOx emissions from this source shall not exceed 0.035 lb/MMBtu.

[Compliance with the NOx emission limit in this streamlined permit condition assures compliance with the NOx emission limit specified in 40 C.F.R. § 60.102a(g)(2)(i)(B).]

 # 004 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
Emissions from this process heater shall not exceed the following:

(a) Nitrogen Oxides (NOx) = 6.77 tons per year, calculated as a 12-month rolling sum.

(b) Volatile Organic Compounds (VOC) = 0.97 tons per year, calculated as a 12-month rolling sum.

(c) Carbon Monoxide (CO) = 5.25 tons per year, calculated as a 12-month rolling sum.

(d) Sulfur Dioxide (SO2) = 1.36 tons per year, calculated as a 12-month rolling sum.

(e) Particulate Matter (PM/PM-10/PM-2.5) = 0.97 tons per year, calculated as a 12-month rolling sum.

 # 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.102a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Emissions limitations.
[Authority for this permit condition is derived from 40 C.F.R. § 60.102a(g).]

The owner or operator shall not burn in any fuel gas combustion device any fuel gas that contains H2S in excess of 162 ppmv determined hourly on a 3-hour rolling average basis and H2S in excess of 60 ppmv determined daily on a 365 successive calendar day rolling average basis.

SECTION D. Source Level Plan Approval Requirements

[Compliance with this limit assures compliance with 25 Pa. Code §123.22(e)(1).]

Fuel Restriction(s).

 # 006 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
This source shall only be fired by refinery fuel gas from the existing North Side Fuel Gas system.

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 40 C.F.R. § 60.104a(a), (c), and (i).]

(a) The permittee shall perform a stack test using Department-approved procedures, to show compliance with the NOx emission limit set for the source. Source testing shall be performed within 180 days after initial startup of the source. Source testing shall be performed for the following pollutant: NOx. This testing shall be conducted at a normal or average load.

(b) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall, at a minimum, test for the pollutant NOx. Tests shall be conducted in accordance with the provisions of 40 C.F.R. § 60.104a(c) and (i) for NOx and/or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall monitor the amount of fuel consumed by this source on a monthly and 12-month rolling basis.

 # 009 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

(a) The fuel gas supplied to this process heater shall be continuously monitored for H2S concentration and averaged in accordance with 40 C.F.R. Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

(b) NOx and O2 concentrations from the exhaust stack of this process heater shall be continuously monitored and averaged in accordance with 40 C.F.R. Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

SECTION D. Source Level Plan Approval Requirements

 # 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H2S in the fuel gases before being burned in any fuel gas combustion device in accordance with the requirements specified in 40 C.F.R. § 60.107a(a)(2).

 # 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration (dry basis, 0-percent excess air) of NOx emissions into the atmosphere in accordance with the requirements specified in 40 C.F.R. § 60.107a(d).

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall maintain records of the amount of fuel consumed by this source on a monthly and 12-month rolling basis.

 # 013 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall calculate and maintain records of NOx, VOC, CO, SO2, and PM/PM-10/PM-2.5 emissions for this source on a monthly and 12-month rolling sum basis.

 # 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(c)(6).]

The owner or operator shall maintain the following records:

(1) Records of discharges greater than 500 lb SO2 in excess of the allowable limits from a fuel gas combustion device in any 24-hour period as required by §60.103a(c). The following information shall be recorded no later than 45 days following the end of a discharge exceeding the thresholds:

(i) A description of the discharge.

(ii) The date and time the discharge was first identified and the duration of the discharge.

(iii) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quantity for each 24-hour period. Engineering calculations are allowed for fuel gas combustion devices.

(iv) For each discharge greater than 500 lb SO2 in excess of the applicable short-term emissions limit in §60.102a(g)(1) from a fuel gas combustion device, either the measured concentration of H2S in the fuel gas or the measured concentration of SO2 in the stream discharged to the atmosphere. Process knowledge can be used to make these estimates for fuel gas combustion devices.

SECTION D. Source Level Plan Approval Requirements

(v) For each discharge greater than 500 lb SO2 in excess of the allowable limits from a fuel gas combustion device, the cumulative quantity of H2S and SO2 released into the atmosphere. For fuel gas combustion devices, assume 99-percent conversion of H2S to SO2.

(vi) The steps that the owner or operator took to limit the emissions during the discharge.

(vii) The root cause analysis and corrective action analysis conducted as required in §60.103a(d), including an identification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under §60.103a(e).

(viii) For any corrective action analysis for which corrective actions are required in §60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

 # 015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What records must I keep?

[Authority for this permit condition is derived from 40 CFR § 63.7555(a)(1)-(2).]

The permittee shall keep records of the following:

(1) A copy of each notification and report submitted to comply with 40 CFR Part 63, Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted, according to the requirements in §63.10(b)(2)(xiv).

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in §63.10(b)(2)(viii).

 # 016 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

In what form and how long must I keep my records?

[Authority for this permit condition is derived from 40 C.F.R. § 63.7560.]

(a) Records shall be maintained in a form suitable and readily available for expeditious review, according to 40 C.F.R. § 63.10(b)(1).

(b) As specified in 40 C.F.R. § 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The permittee shall keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

V. REPORTING REQUIREMENTS.

 # 017 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall submit reports of H2S and NOx monitoring data on a quarterly basis in accordance with 40 CFR Part 60, Subpart Ja, and in accordance with the latest revision of the Department's Continuous Source Monitoring Manual.

SECTION D. Source Level Plan Approval Requirements

 # 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Monitoring of emissions and operations for fuel gas combustion devices and flares.

The permittee shall comply with the requirements for excess emissions as outlined in 40 C.F.R. § 60.107a(i).

 # 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(a) & (b).]

(a) Each owner or operator subject to the emissions limitations in 40 C.F.R. § 60.102a shall comply with the notification, recordkeeping, and reporting requirements in §60.7 and other requirements as specified in this condition.

(b) Each owner or operator subject to an emissions limitation in 40 C.F.R. § 60.102a shall notify the Administrator of the specific monitoring provisions of § 60.107a with which the owner or operator intends to comply. This notification shall be submitted with the notification of initial startup required by §60.7(a)(3).

 # 020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]
SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007
Recordkeeping and reporting requirements.

[Authority for this permit condition is derived from 40 CFR § 60.108a(d).]

Each owner or operator subject to Subpart Ja shall submit an excess emissions report for all periods of excess emissions according to the requirements of §60.7(c) except that the report shall contain the information specified in paragraphs (1) through (7) below.

(1) The date that the exceedance occurred;

(2) An explanation of the exceedance;

(3) Whether the exceedance was concurrent with a startup, shutdown, or malfunction of an affected facility or control system; and

(4) A description of the action taken, if any.

(5) The information described in 40 CFR § 60.108a(c)(6) for all discharges listed in paragraph (c)(6).

(6) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit. Operations of the control system and affected facility during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

(7) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.

 # 021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]
Subpart A - General Provisions
Address.

This source is subject to 40 CFR Part 60, Subpart Ja - Standards of Performance for New Stationary Sources, and shall comply with all applicable requirements of this Subparts.

SECTION D. Source Level Plan Approval Requirements

Pursuant to 40 CFR Section 60.4, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance, 3AP20
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Any variations from the compliance monitoring, testing, and reporting methods specified in the New Source Performance Standards shall be approved in advance by the U.S. EPA.

 # 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.13]

Subpart A--General Provisions

Addresses of State air pollution control agencies and EPA Regional Offices.

This source is subject to 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants, and shall comply with all applicable requirements of this Subpart.

Pursuant to 40 CFR § 63.13, the permittee shall submit copies of all requests, reports, applications, submittals, and other communications to both EPA and the appropriate Regional Office of the Department. The EPA copies shall be forwarded to:

Associate Director
Office of Air Enforcement and Compliance, 3AP20
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Any variations from the compliance monitoring, testing, and reporting methods specified in the National Emission Standards for Hazardous Air Pollutants shall be approved in advance by the U.S. EPA.

 # 023 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What notifications must I submit and when?

[Authority for this permit condition is derived from 40 CFR § 63.7545(a).]

The permittee shall submit to the Administrator all of the notifications in 40 CFR § 63.9(b) through (h), that are applicable by the dates specified.

 # 024 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What reports must I submit and when?

(a) The permittee shall submit semi-annual compliance reports in accordance with 40 C.F.R. § 63.7550(b)(5), (c)(5), and (h)(3).

(b) The compliance report shall contain the following information:

(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

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(iii) Date of report and beginning and ending dates of the reporting period.

(iv) Include the date of the most recent tune-up.

(v) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(vi) The total operating time during the reporting period.

(c) The permittee shall submit all reports required by Table 9 of 40 CFR Part 63, Subpart DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The permittee shall use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for this subpart, you may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in 40 C.F.R. § 63.13. You must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI.

VI. WORK PRACTICE REQUIREMENTS.

 # 025 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source shall be operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

 # 026 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Monitoring Source Manual will constitute compliance with this permit condition.

 # 027 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]

SUBPART Ja - Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007

Work practice standards.

[Authority for this permit condition is derived from 40 CFR § 60.103a(c)(2), (d)(1) & (5), and (e)(1)-(3).]

(a) Each owner or operator that operates a fuel gas combustion device shall conduct a root cause analysis and a corrective action analysis for each exceedance of an applicable short-term emissions limit in §60.102a(g)(1) if the SO2 discharge to the atmosphere is 227 kg (500 lb) greater than the amount that would have been emitted if the emissions limits had been met during one or more consecutive periods of excess emissions or any 24-hour period, whichever is shorter.

(b) A root cause analysis and corrective action analysis must be completed as soon as possible, but no later than 45 days after a discharge meeting the above condition.

(1) If a single continuous discharge meets any of the conditions specified in paragraphs (a) above, for 2 or more consecutive 24-hour periods, a single root cause analysis and corrective action analysis may be conducted.

(2) If discharges occur that meet the conditions specified in paragraph (a) above, for more than one affected facility in the same 24-hour period, initial root cause analyses shall be conducted for each affected facility. If the initial root cause

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analyses indicate that the discharges have the same root cause(s), the initial root cause analyses can be recorded as a single root cause analysis and a single corrective action analysis may be conducted.

(c) Each owner or operator of a fuel gas combustion device shall implement the corrective action(s) identified in the corrective action analysis conducted pursuant to paragraph (b) above, in accordance with the applicable requirements in paragraphs (1) through (3) below.

(1) All corrective action(s) must be implemented within 45 days of the discharge for which the root cause and corrective action analyses were required or as soon thereafter as practicable. If an owner or operator concludes that corrective action should not be conducted, the owner or operator shall record and explain the basis for that conclusion no later than 45 days following the discharge as specified in 40 C.F.R. § 60.108a(c)(6)(ix).

(2) For corrective actions that cannot be fully implemented within 45 days following the discharge for which the root cause and corrective action analyses were required, the owner or operator shall develop an implementation schedule to complete the corrective action(s) as soon as practicable.

(3) No later than 45 days following the discharge for which a root cause and corrective action analyses were required, the owner or operator shall record the corrective action(s) completed to date, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates as specified in 40 C.F.R. § 60.108a(c)(6)(x).

 # 028 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What emission limits, work practice standards, and operating limits must I meet?

[Authority for this permit condition is derived from 40 CFR § 63.7500, Table 3.]

(a) The permittee shall conduct a tune-up of the process heater annually as specified in 40 C.F.R. § 63.7540. Units in the Gas 1 subcategory shall conduct this tune-up as a work practice for all regulated emissions under 40 CFR Part 63, Subpart DDDDD.

(b) The permittee shall conduct a one-time energy assessment performed by a qualified energy assessor, within one year upon startup. The energy assessment must include the following with extent of the evaluation for items (i) to (v) appropriate for the on-site technical hours listed in §63.7575:

(i) A visual inspection of the boiler or process heater system.

(ii) An evaluation of operating characteristics of the boiler or process heater systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints.

(iii) An inventory of major energy use systems consuming energy from affected boilers and process heaters and which are under the control of the boiler/process heater owner/operator.

(iv) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.

(v) A review of the facility's energy management program and provide recommendations for improvements consistent with the definition of energy management program, if identified.

(vi) A list of cost-effective energy conservation measures that are within the facility's control.

(vii) A list of the energy savings potential of the energy conservation measures identified.

(viii) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

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 # 029 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

What emission limits, work practice standards, and operating limits must I meet?

At all times, the permittee shall operate and maintain this source, including associated monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

 # 030 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7515]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

When must I conduct subsequent performance tests or fuel analyses?

[Authority for this permit condition is derived from 40 C.F.R. § 63.7515(d).]

If you are required to meet an applicable tune-up work practice standard, you must conduct an annual performance tune-up according to §63.7540(a)(10). Each annual tune-up specified in §63.7540(a)(10) must be no more than 13 months after the previous tune-up. For a new or reconstructed affected source (as defined in §63.7490), the first annual tune-up must be no later than 13 months, after April 1, 2013 or the initial startup of the new or reconstructed affected source, whichever is later.

 # 031 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]

Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters.

How do I demonstrate continuous compliance with the emission limits and work practice standards?

[Authority for this permit condition is derived from 40 CFR § 63.7540(a)(10).]

The permittee shall conduct an annual tune-up of the process heater to demonstrate continuous compliance as specified in paragraphs (i) through (vi) of this condition. The tune-up shall be conducted while burning refinery fuel gas.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown);

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (vi)(A) through (C) of this condition:

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

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(C) The amount of fuel used over the 12 months prior to the tune-up. Units sharing a fuel meter may estimate the fuel used by each unit.

VII. ADDITIONAL REQUIREMENTS.

 # 032 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of a Stripper Reboiler Heater manufactured by Tulsa Heaters, Inc. with a rated capacity of 44.2 MMBtu/hr. The burners are manufactured by Callidus with model number CUBL. There are a total of 4 burners, each rated at 11.05 MMBtu/hr. This heater is equipped with a low-NOx burners.

SECTION D. Source Level Plan Approval Requirements

Source ID: 101 Source Name: FCC UNIT

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all applicable requirements of 40 CFR Part 63 Subpart UUU for its existing FCC Unit, and all other requirements specified in the current TVOP No. 23-00003 for Source ID 101.

SECTION D. Source Level Plan Approval Requirements

Source ID: 102 Source Name: CLAUS SULFUR RECOV. PLT.

Source Capacity/Throughput:

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from this source shall not exceed 5.83 tons per year, based on a 12-month rolling sum.

(b) VOC emissions from this source shall not exceed 0.32 tons per year, based on a 12-month rolling sum.

(c) PM-2.5 emissions from this source shall not exceed 0.44 tons per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall calculate and maintain records of NOx, VOC, and PM-2.5 emissions for this source on a monthly and 12-month rolling sum basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all applicable requirements of 40 CFR Part 63 Subpart UUU for its existing SRU Unit, and all other requirements specified in the current TVOP No. 23-00003 for Source ID 102.

The permittee shall continue to comply with the requirements of Plan Approval 23-0003AA for Source ID 102.

SECTION D. Source Level Plan Approval Requirements

Source ID: 103 Source Name: MAIN FLARE

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all applicable requirements of 40 CFR Part 63 Subpart UUU for its existing Main Flare, and all other requirements specified in the current TVOP No. 23-00003 for Source ID 103.

SECTION D. Source Level Plan Approval Requirements

Source ID: 114 Source Name: RACT FUGITIVE EQUIPMENT

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a. The permittee shall comply with the current TVOP requirements for Source ID 114 for the new fugitive components.

b. Prior to the issuance of the Operating Permit, the permittee shall provide to the Department a list of the components that are affected by the ULSG Project and are subject to 25 Pa. Code § 129.58, the applicable requirements for the components, and the methods of complying with the requirements.

SECTION D. Source Level Plan Approval Requirements

Source ID: 119 Source Name: PLATFORMER REGENERATOR

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all applicable requirements of 40 CFR Part 63 Subpart UUU for its existing Platformer Regenerator, and all other requirements specified in the current TVOP No. 23-00003 for Source ID 119.

SECTION D. Source Level Plan Approval Requirements

Source ID: 133 Source Name: BENZENE WASTE OPERATIONS

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Blowdown from the new ULSG Cooling Tower shall be directed to the existing AWWTP at the Refinery. The permittee shall continue to comply with all applicable requirements of 40 CFR Part 61 Subpart FF for its existing Benzene Waste Operations (BWON) program, and all other requirements specified in the current TVOP No. 23-00003 for Source ID 133.

SECTION D. Source Level Plan Approval Requirements

Source ID: 215 Source Name: NSPS NEW FUGITIVE EQUIPMENT

Source Capacity/Throughput:

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall install, operate, and maintain the affected components in accordance with the requirements in its current TVOP No. 23-00003 for Source ID 215.

(b) Prior to the issuance of the Operating Permit, the permittee shall provide to the Department a list of the components that are affected by the ULSG Project and are subject to 40 CFR Part 60 Subpart GGGa, the applicable requirements for the components, and the methods of complying with the requirements.

SECTION D. Source Level Plan Approval Requirements

Source ID: 702 Source Name: ULSG COOLING TOWER

Source Capacity/Throughput: 612,000.000 Gal/HR COOLING WATER

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.02 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(iii).

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall limit VOC emissions from this cooling tower to 6.02 tons per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall measure the total dissolved solids (TDS) content of the cooling water in the cooling tower once per month. The method(s) for TDS content measurement shall be approved by DEP prior to the operation of the cooling tower.

III. MONITORING REQUIREMENTS.

 # 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]

Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries

Heat exchange systems.

[Authority for this permit condition is derived from 40 CFR § 63.654(c).]

The permittee shall perform monitoring to identify leaks of total strippable volatile organic compounds (VOC) from each heat exchange system subject to the requirements 40 C.F.R. Part 63, Subpart CC according to the procedures in paragraphs (1) through (4) of this condition.

(1) Monitoring locations for closed-loop recirculation heat exchange systems. For each closed loop recirculating heat exchange system, collect and analyze a sample from the location(s) described in either paragraph (1)(i) or (c)(1)(ii) of this condition.

(i) Each cooling tower return line or any representative riser within the cooling tower prior to exposure to air for each heat exchange system.

(ii) Selected heat exchanger exit line(s) so that each heat exchanger or group of heat exchangers within a heat exchange system is covered by the selected monitoring location(s).

(2) Monitoring method. Determine the total strippable hydrocarbon concentration (in parts per million by volume (ppmv) as methane) at each monitoring location using the “Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources” Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 (incorporated by reference—see §63.14) using a flame ionization detector (FID) analyzer for on-site determination as described in Section 6.1 of the Modified El Paso Method.

SECTION D. Source Level Plan Approval Requirements

(3) Monitoring frequency and leak action level for existing sources. For a heat exchange system at an existing source, the owner or operator must comply with the monitoring frequency and leak action level as defined in paragraph (3)(i) of this section or comply with the monitoring frequency and leak action level as defined in paragraph (3)(ii) of this section. The owner or operator of an affected heat exchange system may choose to comply with paragraph (3)(i) of this section for some heat exchange systems at the petroleum refinery and comply with paragraph (3)(ii) of this section for other heat exchange systems. However, for each affected heat exchange system, the owner or operator of an affected heat exchange system must elect one monitoring alternative that will apply at all times. If the owner or operator intends to change the monitoring alternative that applies to a heat exchange system, the owner or operator must notify the Administrator 30 days in advance of such a change. All "leaks" identified prior to changing monitoring alternatives must be repaired.

(i) Monitor monthly using a leak action level defined as a total strippable hydrocarbon concentration (as methane) in the stripping gas of 6.2 ppmv.

(ii) Monitor quarterly using a leak action level defined as a total strippable hydrocarbon concentration (as methane) in the stripping gas of 3.1 ppmv unless repair is delayed as provided in paragraph (f) of this section. If a repair is delayed as provided in paragraph (f) of this section, monitor monthly.

(4) Leak definition. A leak for this source is defined as follows.

(i) A leak is detected if a measurement value of the sample taken from a location specified in either paragraph (1)(i) or (1)(ii) of this section equals or exceeds the leak action level.

IV. RECORDKEEPING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall maintain records of the total dissolved solids (TDS) concentrations in the cooling tower water on a monthly basis.

(b) The permittee shall maintain records of the monthly operating minutes.

(c) The permittee shall perform and maintain records of VOC emission calculations on a monthly and 12-month rolling basis.

(d) The permittee shall maintain records of the monthly PM emissions calculated using monthly operating minutes, the TDS content measured monthly, and the water recirculation rate of 10,200 galloms per minute (GPM).

 # 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]

Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries

Reporting and recordkeeping requirements.

[Authority for this permit condition is derived from 40 CFR § 63.655(i)(4).]

The owner or operator of a heat exchange system subject to this subpart shall comply with the recordkeeping requirements in paragraphs (i) through (v) of this section and retain these records for 5 years.

(i) Identification of all petroleum refinery process unit heat exchangers at the facility and the average annual HAP concentration of process fluid or intervening cooling fluid estimated when developing the Notification of Compliance Status report.

(ii) Identification of all heat exchange systems subject to the monitoring requirements in 40 C.F.R. § 63.654 and identification of all heat exchange systems that are exempt from the monitoring requirements according to the provisions in 40 C.F.R. § 63.654(b). For each heat exchange system that is subject to the monitoring requirements in 40 C.F.R. § 63.654, this must include identification of all heat exchangers within each heat exchange system, and, for closed-loop recirculation systems, the cooling tower included in each heat exchange system.

SECTION D. Source Level Plan Approval Requirements

(iii) Results of the following monitoring data for each required monitoring event:

(A) Date/time of event.

(B) Barometric pressure.

(C) El Paso air stripping apparatus water flow milliliter/minute (ml/min) and air flow, ml/min, and air temperature, °Celsius.

(D) FID reading (ppmv).

(E) Length of sampling period.

(F) Sample volume.

(G) Calibration information identified in Section 5.4.2 of the "Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources" Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 (incorporated by reference—see §63.14).

(iv) The date when a leak was identified, the date the source of the leak was identified, and the date when the heat exchanger was repaired or taken out of service.

(v) If a repair is delayed, the reason for the delay, the schedule for completing the repair, the heat exchange exit line flow or cooling tower return line average flow rate at the monitoring location (in gallons/minute), and the estimate of potential strippable hydrocarbon emissions for each required monitoring interval during the delay of repair.

V. REPORTING REQUIREMENTS.

 # 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]
Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
Reporting and recordkeeping requirements.

[Authority for this permit condition is derived from 40 C.F.R. § 63.655(e).]

Each owner or operator of a source subject to 40 CFR Part 63, Subpart CC shall submit the reports listed in paragraphs (1) through (3) of this condition except as provided in 40 C.F.R. § 63.655(h)(5), and shall keep records as described in 40 C.F.R. § 63.655(i).

(1) A Notification of Compliance Status report as described in 40 C.F.R. § 63.655(f);

(2) Periodic Reports as described in 40 C.F.R. § 63.655(g); and

(3) Other reports as described in 40 C.F.R. § 63.655(h).

 # 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]
Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
Reporting and recordkeeping requirements.

[Authority for this permit condition is derived from 40 CFR § 63.655(f)(1)(vi).]

The permittee shall submit a Notification of Compliance Status report as specified in 40 C.F.R. § 63.655(f). The Notification of Compliance Status report shall include identification of the heat exchange systems that are subject to the requirements of 40 C.F.R. Part 63, Subpart CC and for heat exchange systems at existing sources, the owner or operator shall indicate whether monitoring will be conducted as specified in 40 C.F.R. § 63.654(c)(4)(i) or § 63.654(c)(4)(ii).

SECTION D. Source Level Plan Approval Requirements

 # 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]
Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
Reporting and recordkeeping requirements.

[Authority for this permit condition is derived from 40 CFR § 63.655(g)(9).]

The permittee shall submit Periodic Reports as specified in 40 C.F.R. § 63.655(g).

For heat exchange systems, Periodic Reports must include the following information:

(i) The number of heat exchange systems at the plant site subject to the monitoring requirements in 40 C.F.R. § 63.654.

(ii) The number of heat exchange systems at the plant site found to be leaking.

(iii) For each monitoring location where the total strippable hydrocarbon concentration was determined to be equal to or greater than the applicable leak definitions specified in 40 C.F.R. § 63.654(c)(6), identification of the monitoring location (e.g., unique monitoring location or heat exchange system ID number), the measured total strippable hydrocarbon concentration, the date the leak was first identified, and, if applicable, the date the source of the leak was identified;

(iv) For leaks that were repaired during the reporting period (including delayed repairs), identification of the monitoring location associated with the repaired leak, the total strippable hydrocarbon concentration measured during re-monitoring to verify repair, and the re-monitoring date (i.e., the effective date of repair); and

(v) For each delayed repair, identification of the monitoring location associated with the leak for which repair is delayed, the date when the delay of repair began, the date the repair is expected to be completed (if the leak is not repaired during the reporting period), the total strippable hydrocarbon concentration and date of each monitoring event conducted on the delayed repair during the reporting period, and an estimate of the potential strippable hydrocarbon emissions over the reporting period associated with the delayed repair.

 # 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]
Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
Reporting and recordkeeping requirements.

The owner or operator of a heat exchange system at an existing source must notify the Administrator at least 30 calendar days prior to changing from one of the monitoring options specified in §63.654(c)(4) to the other.

VI. WORK PRACTICE REQUIREMENTS.

 # 011 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

This source and control device shall be operated and maintained in accordance with manufacturer's specifications.

 # 012 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The drift eliminators associated with this cooling tower shall be designed to achieve a drift rate of 0.0005%.

 # 013 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The permittee shall not use chromium based water treatment chemicals in this source.

 # 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.654]
Subpart CC -- National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries
Heat exchange systems.

SECTION D. Source Level Plan Approval Requirements

[Authority for this permit condition is derived from 40 C.F.R. § 63.654(d)-(g).]

(a) If a leak is detected, the owner or operator must repair the leak to reduce the measured concentration to below the applicable action level as soon as practicable, but no later than 45 days after identifying the leak, except as specified in paragraphs (b) and (c) of this condition. Repair includes re-monitoring at the monitoring location where the leak was identified according to the method specified in 40 C.F.R. § 63.654(c)(3) of this section to verify that the measured concentration is below the applicable action level. Actions that can be taken to achieve repair include but are not limited to:

(1) Physical modifications to the leaking heat exchanger, such as welding the leak or replacing a tube;

(2) Blocking the leaking tube within the heat exchanger;

(3) Changing the pressure so that water flows into the process fluid;

(4) Replacing the heat exchanger or heat exchanger bundle; or

(5) Isolating, bypassing, or otherwise removing the leaking heat exchanger from service until it is otherwise repaired.

(b) If the owner or operator detects a leak when monitoring a cooling tower return line under 40 CFR § 63.654(c)(1)(i), the owner or operator may conduct additional monitoring of each heat exchanger or group of heat exchangers associated with the heat exchange system for which the leak was detected as provided under 40 CFR § 63.654(c)(1)(ii). If no leaks are detected when monitoring according to the requirements of paragraph 40 CFR § 63.654(c)(1)(ii), the heat exchange system is considered to meet the repair requirements through re-monitoring of the heat exchange system as provided in paragraph (a) of this condition.

(c) The owner or operator may delay the repair of a leaking heat exchanger when one of the conditions in paragraph (c)(1) or (c)(2) of this condition is met and the leak is less than the delay of repair action level specified in paragraph (c)(3) of this condition. The owner or operator must determine if a delay of repair is necessary as soon as practicable, but no later than 45 days after first identifying the leak.

(1) If the repair is technically infeasible without a shutdown and the total strippable hydrocarbon concentration is initially and remains less than the delay of repair action level for all monthly monitoring periods during the delay of repair, the owner or operator may delay repair until the next scheduled shutdown of the heat exchange system. If, during subsequent monthly monitoring, the delay of repair action level is exceeded, the owner or operator must repair the leak within 30 days of the monitoring event in which the leak was equal to or exceeded the delay of repair action level.

(2) If the necessary equipment, parts, or personnel are not available and the total strippable hydrocarbon concentration is initially and remains less than the delay of repair action level for all monthly monitoring periods during the delay of repair, the owner or operator may delay the repair for a maximum of 120 calendar days. The owner or operator must demonstrate that the necessary equipment, parts, or personnel were not available. If, during subsequent monthly monitoring, the delay of repair action level is exceeded, the owner or operator must repair the leak within 30 days of the monitoring event in which the leak was equal to or exceeded the delay of repair action level.

(3) The delay of repair action level is a total strippable hydrocarbon concentration (as methane) in the stripping gas of 62 ppmv. The delay of repair action level is assessed as described in paragraph (c)(3)(i) of this condition.

(i) The delay of repair action level is exceeded if a measurement value of the sample taken from a location specified in either paragraphs 40 C.F.R. § 63.654(c)(1)(i) or (c)(1)(ii) equals or exceeds the delay of repair action level.

(d) To delay the repair under paragraph (c) of this condition, the owner or operator must record the information in paragraphs (d)(1) through (4).

(1) The reason(s) for delaying repair.

(2) A schedule for completing the repair as soon as practical.

SECTION D. Source Level Plan Approval Requirements

(3) The date and concentration of the leak as first identified and the results of all subsequent monthly monitoring events during the delay of repair.

(4) An estimate of the potential strippable hydrocarbon emissions from the leaking heat exchange system or heat exchanger for each required delay of repair monitoring interval following the procedures in paragraphs (d)(4)(i) through (iv) of this condition.

(i) Determine the leak concentration as specified in 40 C.F.R. § 63.654(c) and convert the stripping gas leak concentration (in ppmv as methane) to an equivalent liquid concentration, in parts per million by weight (ppmw), using equation 7-1 from "Air Stripping Method (Modified El Paso Method) for Determination of Volatile Organic Compound Emissions from Water Sources" Revision Number One, dated January 2003, Sampling Procedures Manual, Appendix P: Cooling Tower Monitoring, prepared by Texas Commission on Environmental Quality, January 31, 2003 (incorporated by reference—see §63.14) and the molecular weight of 16 grams per mole (g/mol) for methane.

(ii) Determine the mass flow rate of the cooling water at the monitoring location where the leak was detected. If the monitoring location is an individual cooling tower riser, determine the total cooling water mass flow rate to the cooling tower. Cooling water mass flow rates may be determined using direct measurement, pump curves, heat balance calculations, or other engineering methods. Volumetric flow measurements may be used and converted to mass flow rates using the density of water at the specific monitoring location temperature or using the default density of water at 25 degrees Celsius, which is 997 kilograms per cubic meter or 8.32 pounds per gallon.

(iii) For delay of repair monitoring intervals prior to repair of the leak, calculate the potential strippable hydrocarbon emissions for the leaking heat exchange system or heat exchanger for the monitoring interval by multiplying the leak concentration in the cooling water, ppmw, determined in (d)(4)(i) of this section, by the mass flow rate of the cooling water determined in (d)(4)(ii) of this section and by the duration of the delay of repair monitoring interval. The duration of the delay of repair monitoring interval is the time period starting at midnight on the day of the previous monitoring event or at midnight on the day the repair would have had to be completed if the repair had not been delayed, whichever is later, and ending at midnight of the day the of the current monitoring event.

(iv) For delay of repair monitoring intervals ending with a repaired leak, calculate the potential strippable hydrocarbon emissions for the leaking heat exchange system or heat exchanger for the final delay of repair monitoring interval by multiplying the duration of the final delay of repair monitoring interval by the leak concentration and cooling water flow rates determined for the last monitoring event prior to the re-monitoring event used to verify the leak was repaired. The duration of the final delay of repair monitoring interval is the time period starting at midnight of the day of the last monitoring event prior to re-monitoring to verify the leak was repaired and ending at the time of the re-monitoring event that verified that the leak was repaired.

VII. ADDITIONAL REQUIREMENTS.

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of a Cooling Tower for the Ultra Low Sulfur Gasoline (ULSG) process, manufactured by Cooling Tower Depot with a rated capacity of 10,200 gallons per minute. This cooling tower is equipped with drift eliminators.

SECTION D. Source Level Plan Approval Requirements

Source ID: 737 Source Name: NAPHTHA HDS HEATER

Source Capacity/Throughput: 65.000 MMBTU/HR

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) VOC emissions from this source shall not exceed 1.76 tons per year, based on a 12-month rolling sum.

(b) PM-2.5 emissions from this source shall not exceed 2.43 tons per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall calculate and maintain records of VOC and PM-2.5 emissions for this source on a monthly and 12-month rolling sum basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all other applicable requirements in the current Title V Operating Permit for Source ID 737.

SECTION D. Source Level Plan Approval Requirements

Source ID: 742 Source Name: VCD 541 VAC HEATER

Source Capacity/Throughput: 56.000 MMBTU/HR

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) NOx emissions from this source shall not exceed 20.50 tons per year, based on a 12-month rolling sum.

(b) VOC emissions from this source shall not exceed 0.77 tons per year, based on a 12-month rolling sum.

(c) PM-2.5 emissions from this source shall not exceed 1.06 tons per year, based on a 12-month rolling sum.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall calculate and maintain records of NOx, VOC, and PM-2.5 emissions for this source on a monthly and 12-month rolling sum basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall continue to comply with all other applicable requirements in the current Title V Operating Permit for Source ID 742.

SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description
747	REACTOR EFFLUENT HEATER H-124-01 (H01)

Emission Limit			Pollutant
11.830	Tons/Yr	12-month rolling basis	CO
60.000	PPMV	daily on a 365 successive calendar day rolling avg.	Hydrogen Sulfide
162.000	PPMV	hourly on a 3-hr rolling avg.	Hydrogen Sulfide
0.035	Lbs/MMBTU		NOX
15.270	Tons/Yr	12-month rolling basis	NOX
2.180	Tons/Yr	12-month rolling basis	PM10
2.180	Tons/Yr	12-month rolling basis	PM2.5
1.000	Lbs/MMBTU		SO2
3.060	Tons/Yr	12-month rolling basis	SO2
2.180	Tons/Yr	12-month rolling basis	TSP
2.180	Tons/Yr	12-month rolling basis	VOC

Source Id	Source Description
748	STRIPPER REBOILER HEATER H-124-02 (H02)

Emission Limit			Pollutant
5.250	Tons/Yr	12-month rolling basis	CO
60.000	PPMV	daily on a 365 successive calendar day rolling avg.	Hydrogen Sulfide
162.000	PPMV	hourly on a 3-hr rolling avg.	Hydrogen Sulfide
0.035	Lbs/MMBTU		NOX
6.770	Tons/Yr	12-month rolling basis	NOX
0.400	Lbs/MMBTU		PM10
0.970	Tons/Yr	12-month rolling basis	PM10
0.970	Tons/Yr	12-month rolling basis	PM2.5
1.000	Lbs/MMBTU		SO2
1.360	Tons/Yr	12-month rolling basis	SO2
0.970	Tons/Yr	12-month rolling basis	TSP
0.970	Tons/Yr	12-month rolling basis	VOC

Source Id	Source Description
102	CLAUS SULFUR RECOV. PLT.

Emission Limit			Pollutant
5.830	Tons/Yr	12-month rolling basis	NOX
0.440	Tons/Yr	12-month rolling basis	PM2.5
0.350	Tons/Yr	12-month rolling basis	VOC

Source Id	Source Description
702	ULSG COOLING TOWER

Emission Limit			Pollutant
0.020	gr/DRY FT3		TSP
6.020	Tons/Yr	12-month rolling basis	VOC

Source Id	Source Description
737	NAPHTHA HDS HEATER

Emission Limit			Pollutant
2.430	Tons/Yr	12-month rolling basis	PM2.5
1.760	Tons/Yr	12-month rolling basis	VOC

SECTION F. Emission Restriction Summary.

Source Id	Source Description
742	VCD 541 VAC HEATER

Emission Limit			Pollutant
20.500	Tons/Yr	12-month rolling basis	NOX
1.060	Tons/Yr	12-month rolling basis	PM2.5
0.770	Tons/Yr	12-month rolling basis	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION G. Miscellaneous.

****** End of Report ******